

MASTERFLEX® B/T® PerfectPosition™ Pump Tubing

for New and Improved Rapid-Load® Pump Heads

Ensure optimal performance from your Masterflex pump

- PerfectPosition tubing retention marks indicate the exact placement of tubing in the pump head to provide the best performance and life of the tubing
- Custom extruded to fit Masterflex B/T Rapid-Load pumps and pump heads
- Engineered for long life in peristaltic pump applications

These **new** Masterflex B/T tubing sizes 87 and 91 are optimized to provide better performance in higher-pressure applications. Each tubing size is manufactured to extremely close tolerances that match our B/T pump heads. These tight tolerances ensure accurate, repeatable flow, and long tubing life. Plus, the PerfectPosition tubing retention marks (found on most of the tubing formulations), indicate the best placement of the tubing within the pump head.

Choose from a variety of tubing formulations below to allow for optimal performance in the most challenging applications.







Cross Sections

Specifications

Pump tubing size	PerfectPosition™ pump tubing	
	B/T 87	B/T 91
Inside diameter (nominal)	12.7 mm (0.5")	19.0 mm (0.75")
Hose barb size	12.7 mm (½")	19.0 mm (¾")
Flow range (approximate)* with 12 to 321 rpm drive	0.67 to 17.7 LPM (0.17 to 4.7 GPM)	1.4 to 37 LPM (0.4 to 9.8 GPM)
Maximum pressure†, continuous	1.7 bar (25 psi)	1.4 bar (20 psi)
Maximum pressure†, intermittent	2.7 bar (40 psi)	2.4 bar (35 psi)
Maximum vacuum‡	26" Hg (660 mm Hg)	
Suction lift‡	29 ft H ₂ O (8.8 m H ₂ O)	

*Determined under the following conditions: 0 psi at inlet, 0.5 psi at outlet; water temperature at 72°F (22°C). †Actual performance varies depending on tubing formulation—values shown are for firm tubing. ‡Actual performance varies depending on tubing formulation—values shown are for firm tubing.

Ordering Information

Pump tubing formulation		Masterflex B/T PerfectPosition™ pump tubing sizes		
		B/T 87	B/T 91	
Silicone (platinum-cured)	10 ft (3.0 m) per pack		96510-87	96510-91
Silicone (peroxide-cured)	10 ft (3.0 m) per pack		96400-87	96400-91
BioPharm silicone (platinum-cured)	25 ft (7.6 m) per pack		96422-87	96422-91
BioPharm Plus silicone (platinum-cured)	25 ft (7.6 m) per pack		96442-87	96442-91
C-FLEX (50 A)	10 ft (3.0 m) per pack		06424-87	06424-91
PharMed® BPT	25 ft (7.6 m) per pack		06508-87	06508-91
	3 ft (0.9 m) per pack	95668-87	95668-91	
PharmaPure®	25 ft (7.6 m) per pack		06435-87	06435-91
	25 ft (7.6 m) per pack		06402-87	06402-91
Norprene® food (A 60 F)	3 ft (0.9 m) per pack		06403-87	06403-91
	25 ft (7.6 m) per pack		06429-87	06429-91
Tygon® LFL	3 ft (0.9 m) per pack		06430-87	06430-91